

Fig. 1

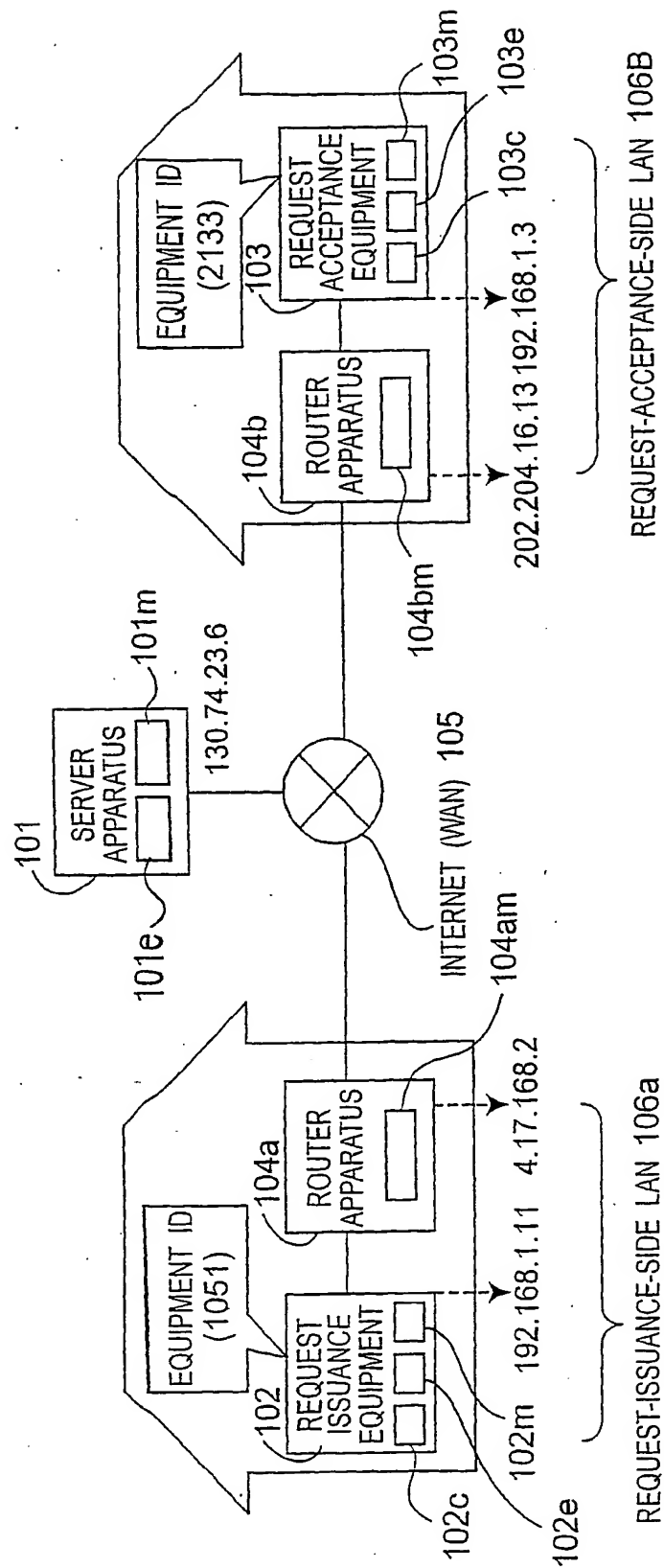
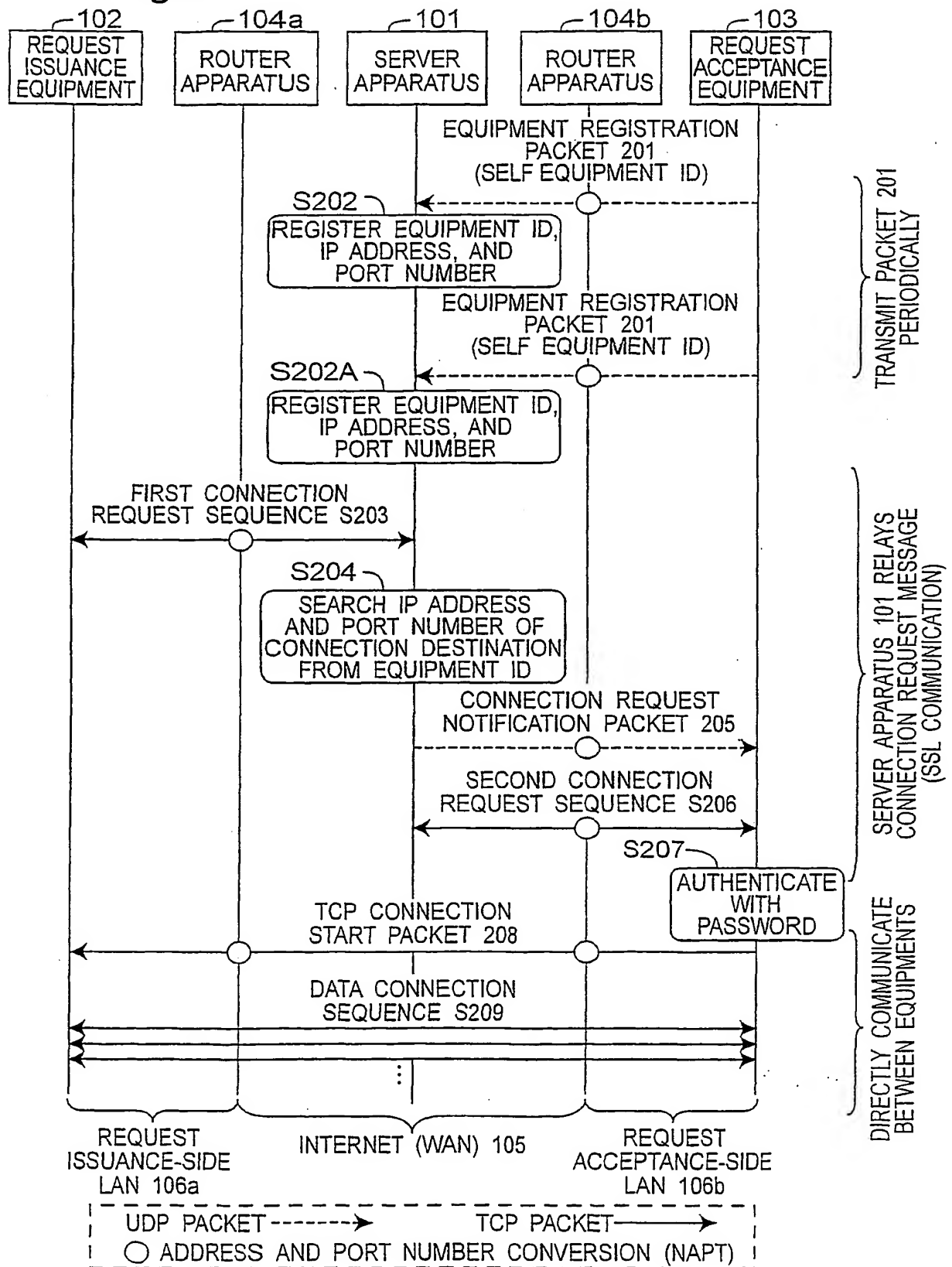


Fig. 2

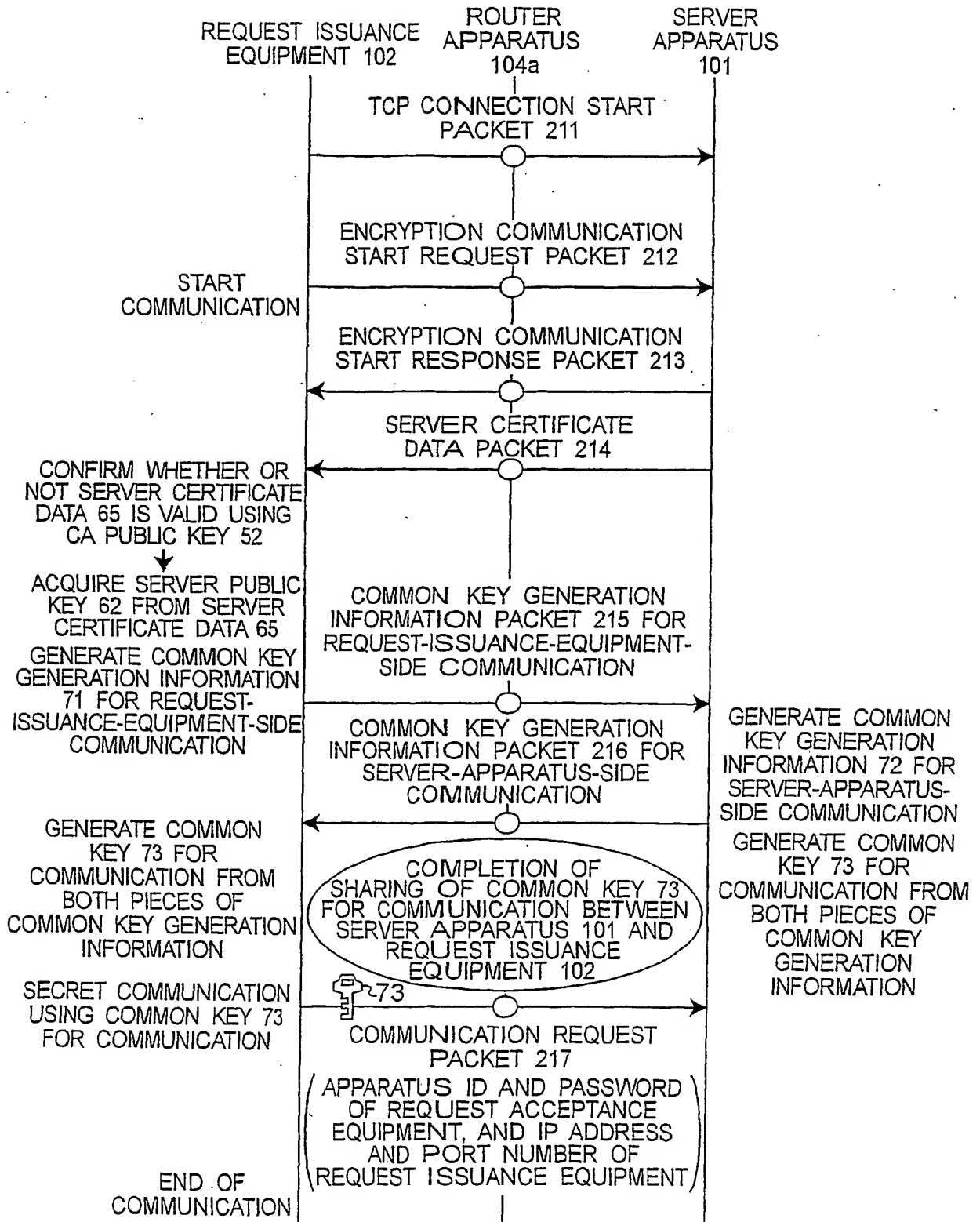
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*Fig. 3*

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## FIRST CONNECTION REQUEST SEQUENCE S203



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Fig. 4

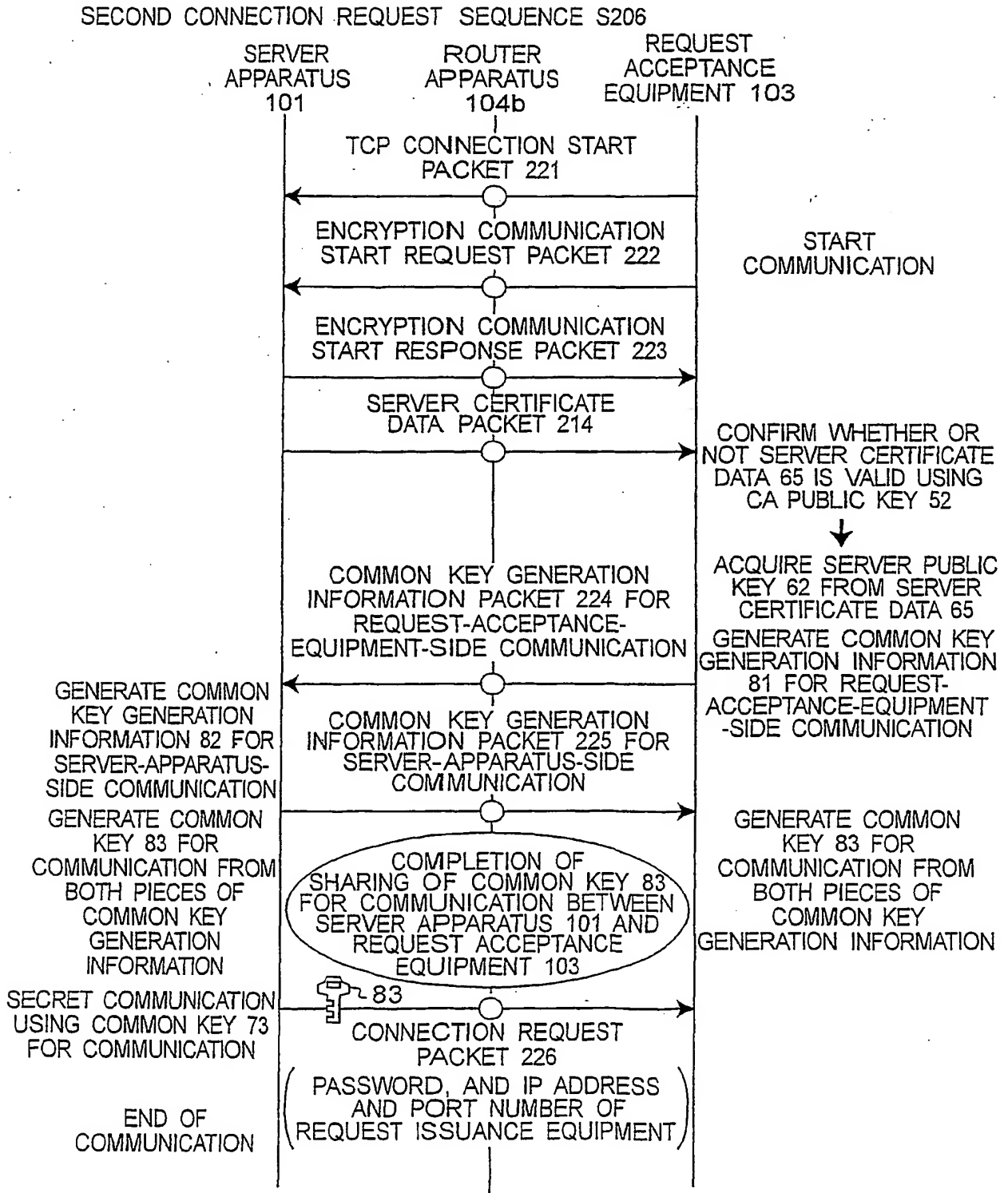


Fig. 5

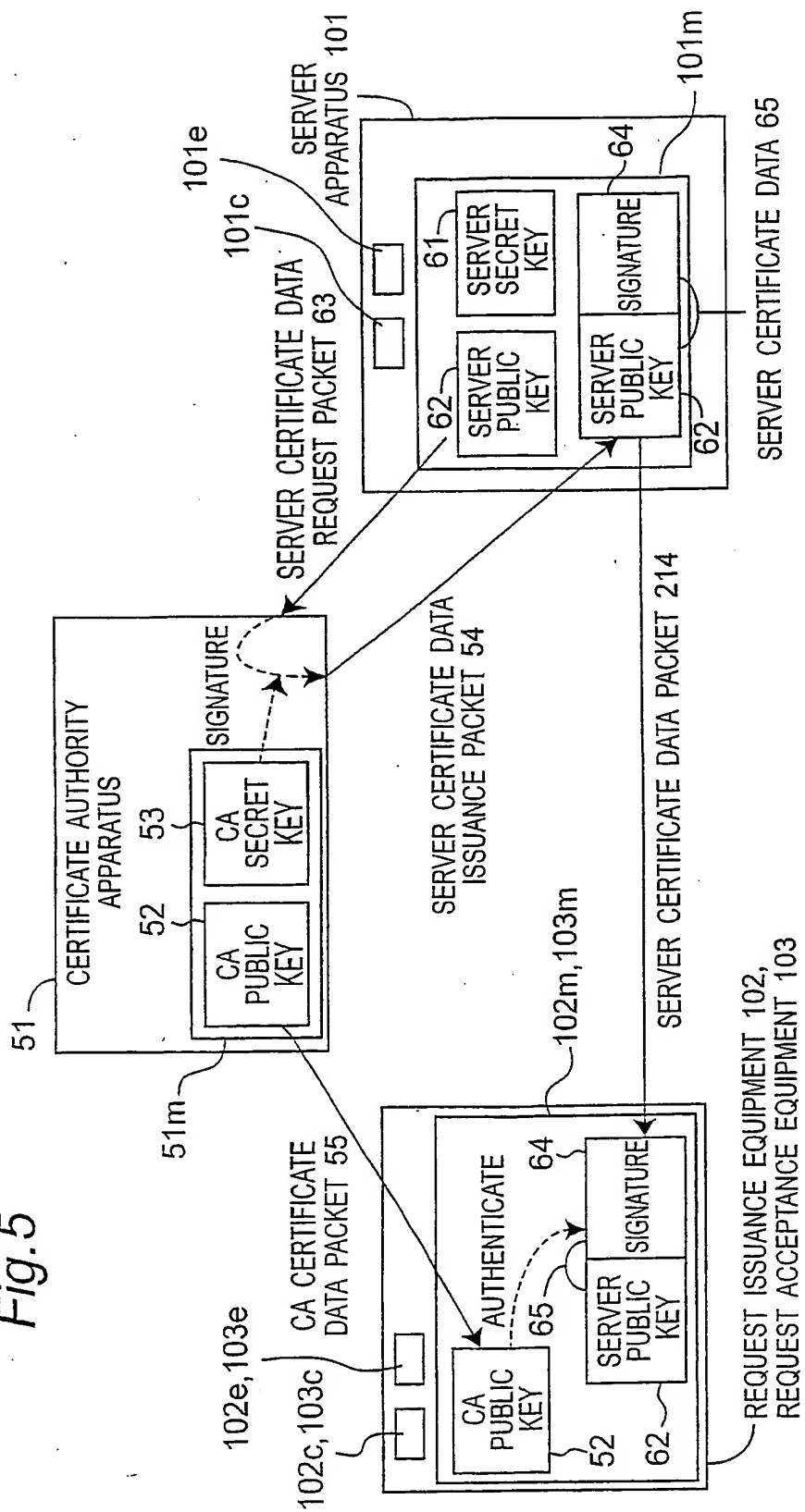


Fig.6

104am

| LAN EQUIPMENT ADDRESS | WAN ROUTER ADDRESS | LAN EQUIPMENT PORT NUMBER | WAN ROUTER PORT NUMBER |   |
|-----------------------|--------------------|---------------------------|------------------------|---|
| 192.168.1.11          | 4.17.168.2         | 1500                      | 7000                   | FOR TCP COMMUNICATION WITH SERVER APPARATUS 101             |
| 192.168.1.11          | 4.17.168.2         | 1600                      | 5000                   | FOR TCP COMMUNICATION WITH REQUEST ACCEPTANCE EQUIPMENT 103 |
| ---                   | ---                | ---                       | ---                    |   |

*Fig. 7A*EQUIPMENT REGISTRATION  
PACKET 201 (LAN SIDE)

|   |
|---|
| SA= 192.168.1.3   |
| DA= 130.74.23.6   |
| SP= 2000  |
| DP= 1200  |
| EQUIPMENT ID OF REQUEST<br>ACCEPTANCE EQUIPMENT 103<br>(2133) |

SA: SOURCE ADDRESS FIELD  
 DA: DESTINATION ADDRESS FIELD  
 SP: SOURCE PORT NUMBER FIELD  
 DP: DESTINATION PORT NUMBER FIELD

*Fig. 7B*EQUIPMENT REGISTRATION  
PACKET 201 (WAN SIDE)

|   |
|---|
| SA= 202.204.16.13   |
| DA= 130.74.23.6   |
| SP= 3400  |
| DP= 1200  |
| EQUIPMENT ID OF REQUEST<br>ACCEPTANCE EQUIPMENT 103<br>(2133) |

SA: SOURCE ADDRESS FIELD  
 DA: DESTINATION ADDRESS FIELD  
 SP: SOURCE PORT NUMBER FIELD  
 DP: DESTINATION PORT NUMBER FIELD

*Fig. 7C*CONNECTION REQUEST  
PACKET 217 (LAN SIDE)

|  |
|--|
| SA= 192.168.1.11   |
| DA= 130.74.23.6  |
| SP= 1500   |
| DP= 1201   |
| EQUIPMENT ID OF REQUEST<br>ACCEPTANCE EQUIPMENT 103<br>(2133)    |
| PASSWORD OF REQUEST<br>ACCEPTANCE EQUIPMENT 103                  |
| IP ADDRESS OF REQUEST-<br>ISSUANCE-SIDE LAN 106a<br>(4.17.168.2) |
| PORT NUMBER OF REQUEST-<br>ISSUANCE-SIDE LAN 106a<br>(5000)      |

SA: SOURCE ADDRESS FIELD  
 DA: DESTINATION ADDRESS FIELD  
 SP: SOURCE PORT NUMBER FIELD  
 DP: DESTINATION PORT NUMBER FIELD

*Fig. 7D*CONNECTION REQUEST  
PACKET 217 (WAN SIDE)

|  |
|--|
| SA= 4.17.168.2   |
| DA= 130.74.23.6  |
| SP= 7000   |
| DP= 1201   |
| EQUIPMENT ID OF REQUEST<br>ACCEPTANCE EQUIPMENT 103<br>(2133)    |
| PASSWORD OF REQUEST<br>ACCEPTANCE EQUIPMENT 103                  |
| IP ADDRESS OF REQUEST-<br>ISSUANCE-SIDE LAN 106a<br>(4.17.168.2) |
| PORT NUMBER OF REQUEST-<br>ISSUANCE-SIDE LAN 106a<br>(5000)      |

SA: SOURCE ADDRESS FIELD  
 DA: DESTINATION ADDRESS FIELD  
 SP: SOURCE PORT NUMBER FIELD  
 DP: DESTINATION PORT NUMBER FIELD

*Fig. 8A*

CONNECTION REQUEST NOTIFICATION  
PACKET 205 (LAN SIDE)

|   |
|---|
| SA= 130.74.23.6                         |
| DA= 192.168.1.3                         |
| SP= 1200                                |
| DP= 2000                                |
| CONNECTION REQUEST<br>NOTIFICATION FLAG |

SA: SOURCE ADDRESS FIELD  
DA: DESTINATION ADDRESS FIELD  
SP: SOURCE PORT NUMBER FIELD  
DP: DESTINATION PORT NUMBER FIELD

*Fig. 8B*

CONNECTION REQUEST NOTIFICATION  
PACKET 205 (WAN SIDE)

|   |
|---|
| SA= 130.74.23.6                         |
| DA= 202.204.16.13                       |
| SP= 1200                                |
| DP= 2400                                |
| CONNECTION REQUEST<br>NOTIFICATION FLAG |

SA: SOURCE ADDRESS FIELD  
DA: DESTINATION ADDRESS FIELD  
SP: SOURCE PORT NUMBER FIELD  
DP: DESTINATION PORT NUMBER FIELD

*Fig. 8C*

CONNECTION REQUEST  
PACKET 226 (LAN SIDE)

|  |
|--|
| SA= 130.74.23.6  |
| DA= 192.168.1.3  |
| SP= 1300   |
| DP= 2600   |
| PASSWORD OF REQUEST<br>ACCEPTANCE EQUIPMENT 103                  |
| IP ADDRESS OF REQUEST-<br>ISSUANCE-SIDE LAN 106a<br>(4.17.168.2) |
| PORT NUMBER OF REQUEST-<br>ISSUANCE-SIDE LAN 106a<br>(5000)      |

SA: SOURCE ADDRESS FIELD  
DA: DESTINATION ADDRESS FIELD  
SP: SOURCE PORT NUMBER FIELD  
DP: DESTINATION PORT NUMBER FIELD

*Fig. 8D*

CONNECTION REQUEST  
PACKET 226 (WAN SIDE)

|  |
|--|
| SA= 130.74.23.6  |
| DA= 202.204.16.13  |
| SP= 1300   |
| DP= 2401   |
| PASSWORD OF REQUEST<br>ACCEPTANCE EQUIPMENT 103                  |
| IP ADDRESS OF REQUEST-<br>ISSUANCE-SIDE LAN 106a<br>(4.17.168.2) |
| PORT NUMBER OF REQUEST-<br>ISSUANCE-SIDE LAN 106a<br>(5000)      |

SA: SOURCE ADDRESS FIELD  
DA: DESTINATION ADDRESS FIELD  
SP: SOURCE PORT NUMBER FIELD  
DP: DESTINATION PORT NUMBER FIELD

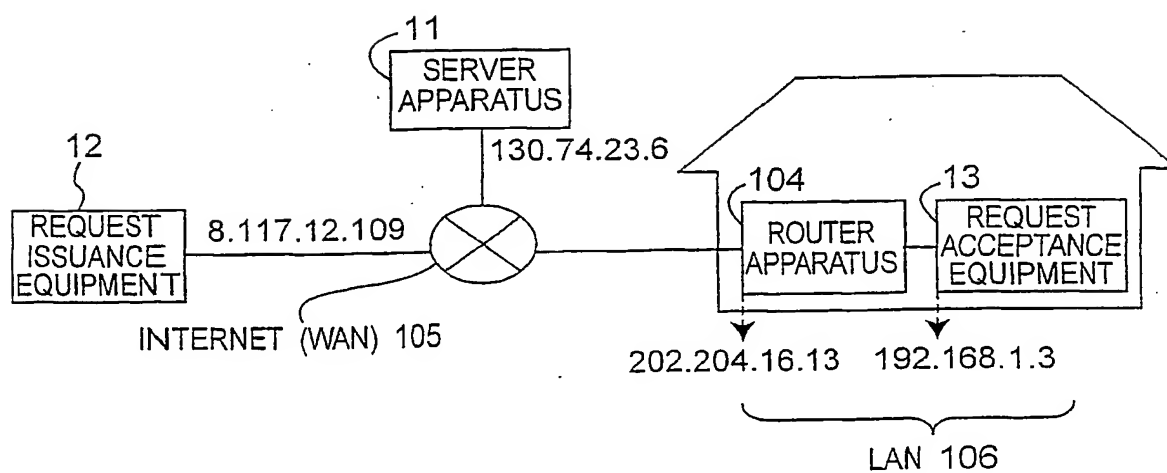


Fig.9

101m  
↙

| EQUIPMENT ID | IP ADDRESS    | PORT NUMBER |
|--------------|---------------|-------------|
| 2133         | 202.204.16.13 | 3400        |
| ---          | ---           | ---         |
| ---          | ---           | ---         |

Fig.10



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Fig. 11

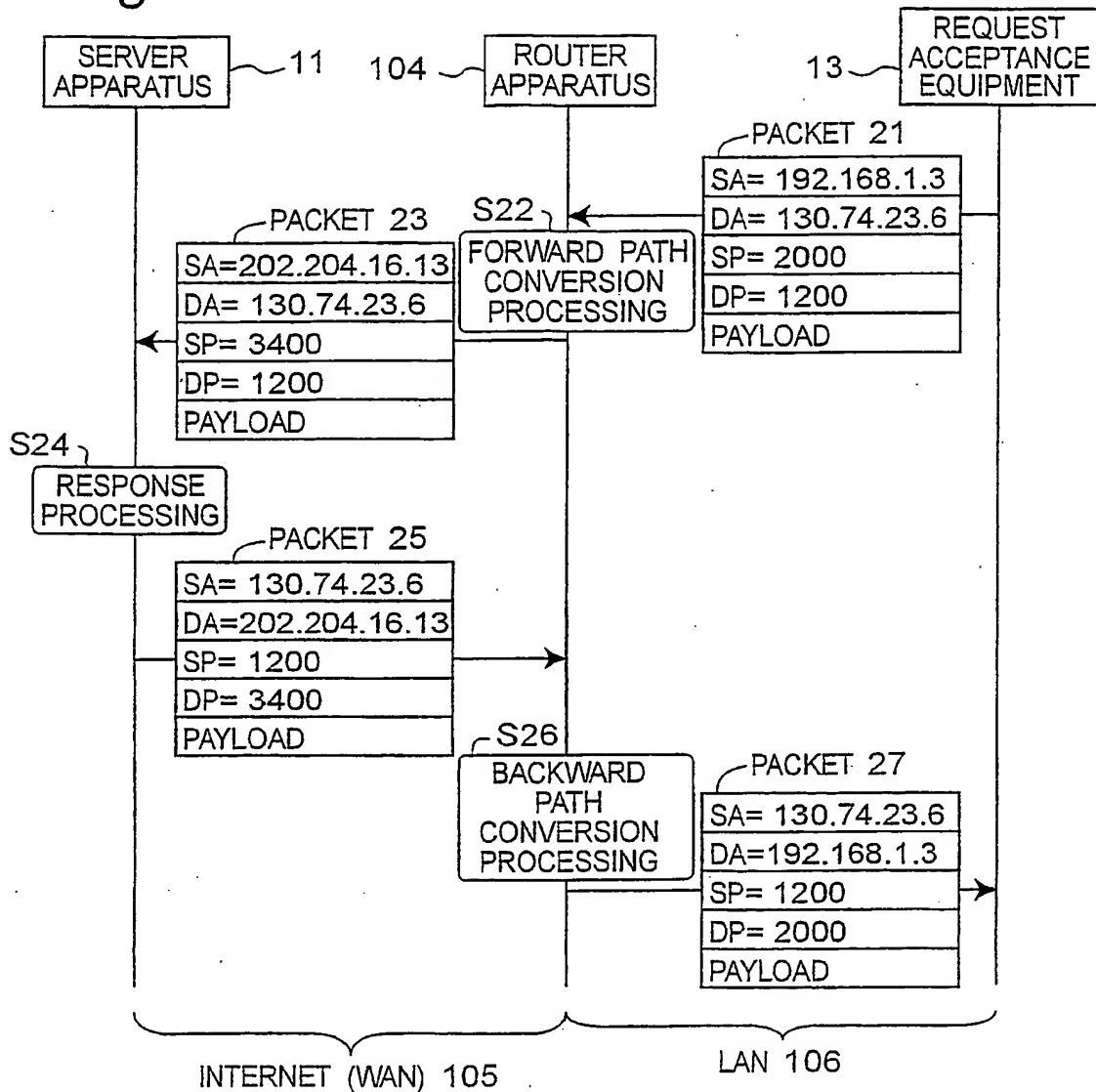


Fig. 12

| LAN EQUIPMENT ADDRESS | WAN ROUTER ADDRESS | LAN EQUIPMENT PORT NUMBER | WAN ROUTER PORT NUMBER |
|-----------------------|--------------------|---------------------------|------------------------|
| 192.168.1.3           | 202.204.16.13      | 2000                      | 3400                   |
| ---                   | ---                | ---                       | ---                    |
| ---                   | ---                | ---                       | ---                    |

Fig. 13

